

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004919**Date Inspected:** 09-Dec-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 600**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1430**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	NA	CWI Present:	Yes	No			
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006	Component:	OBG				

Summary of Items Observed:

Caltrans Quality Assurance inspector, Alan Lowe, was present to perform Ultrasonic Testing, (UT), of Orthotropic Box Girders, (OGB), for the San Francisco Oakland Bay Self Anchored Suspension (SAS) Bridge, At Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island.

QA inspector arrived at ZPMC in Shanghai, China for observation of OBG and SAS Bridge. QA inspector received notification from dayshift task leader to perform conventional UT (A-Scan) inspection for tack welds on deck panels. The inspection is preliminary prior to using the phased array system to verify indications found with conventional UT. QA inspector performed UT on Deck Panels 587-001 and 588-001 and submitted report dated December 9, 2008. Deck panel 587-001 had 8 ribs with 72 tack welds examined. A total of 6 tack welds showed ultrasonic indications which will require further analysis by phased array ultrasonic examination. Deck panel 588-001 had 8 ribs with 160 tack welds examined. A total of 5 tack welds showed ultrasonic indications which will require further analysis by phased array examination. All indications are marked on top of U-Ribs.

No other activities observed.

Summary of Conversations:

No significant conversations this day.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Peter Dauterman 1500219-9593, who represents the Office of Structural Materials for your project.

WELDING INSPECTION REPORT

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Inspected By:	Lowe,Alan	Quality Assurance Inspector
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Reviewed By:	Wright,Mark	QA Reviewer
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